

VAN UITERT, L. G.<sup>1</sup>

**Effects of Annealing on the Saturation Induction of Ferrites Containing Nickel and/or Copper**, J. Appl. Phys., **28**, pp. 478-481, April, 1957.

WARTHMAN, K. L., see Freudenstein, F.

WATROUS, A. B., see Freudenstein, F.

WHITTEMORE, L. E.<sup>2</sup>

**The Institute of Radio Engineers — Forty-five Years of Service**, Proc. I.R.E., **45**, pp. 597-635, May, 1957.

WILLIAMS, H. J.,<sup>1</sup> and SHERWOOD, R. C.<sup>1</sup>

**Magnetic Domain Patterns on Thin Films**, J. Appl. Phys., **28**, pp. 548-555, May, 1957.

WILLIAMS, H. J.,<sup>1</sup> SHERWOOD, R. C.<sup>1</sup> and BOOTHBY, O. L.<sup>1</sup>

**Magnetostriction and Magnetic Anisotropy of MnBi**, J. Appl. Phys., **28**, pp. 445-447, April, 1957.

WRIGHT, E. E., see Schlabach, T. D.

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BRUCE C. HEEZEN, B.A., University of Iowa, 1948; M.A., Columbia University, 1952; Ph.D. 1956. After participating in a cruise of the Woods Hole research vessel *Atlantis* in the summer of 1948, Mr. Heezen held a fellowship in geology at Columbia, where he joined the staff of the Lamont Geological Observatory when it was founded in 1949. As submarine geologist, and now as senior scientist in charge of the submarine geology program, he has been a member of numerous deep-sea expeditions. In addition, he teaches a graduate course in submarine geology on the Columbia campus. His work includes deep-sea topography, sediments, and sedimentation processes; submarine photography and deep-sea research instrumentation; and geologic, geophysical, and oceanographic exploration of the deep sea.